Release B CDR RID Report

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Section **Page** **Figure Table**

Category Name MSS Design **Actionee** ECS

Sub Category

Subject Uses of Mode Management

Description of Problem or Suggestion:

The different uses of and requirements for mode management capabilities are unclear.

Originator's Recommendation

Provide operations concepts and scenarios for different uses of mode management capabilities. These concepts and scenarios should address at least the following:

- use mode management for cross-site tests and operations

- use of time-dependent mode management capabilities

GSFC Response by: **GSFC Response Date**

HAIS Response by: Gary **HAIS Schedule**

HAIS R. E. Gary/Hood **HAIS Response Date** 6/20/96

It is clear that when a test case is isolated to only the components within a given DAAC that all control and monitoring functionality will be handled by the Mode Management Service within that specific DAAC. When a test case requires resources from another DAAC, it must also be configured to respond to mode specific requests for the same mode. The coordination and preconfiguration of this activity will be handled between the two DAACs.

A new mode requiring cross-DAAC support will be activated within the participating DAACs using the same mode identifier. When the "activate mode" option is selected from the Mode Management Service, the agents within it's domain will discover the software components that have been set up in support of the new mode based on this jointly shared mode identifier. Each DAAC involved in the cross-DAAC test will have a separate test view of their components that are supporting the test. They will each have full monitoring and controlling capabilities of their components.

Our initial analysis of the need for sim time and time dependent test capability indicates that the only real need is a requirement on FOS and their current design supports the sim time capability. The mode management service does not need to support sim time. All sim time hooks that currently exist in the code (i.e. CSS Time Classes) will remain, but will not be implemented unless a need is identified.

Ops concepts and scenarios for use of mode management will be developed in the Jul 96 timeframe and informally presented to the RID originator for their review/comment. The results will be documented in the as built documentation. No Ops scenarios which require simulated time have been identified within CSMS or SDPS.

Status **Closed** **Date Closed** **7/1/96** **Sponsor** **Moore**

****** **Attachment if any** ******